Title (en)
METHOD AND APPARATUS OF IDENTIFYING SIMILAR IMAGES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR IDENTIFIZIERUNG ÄHNLICHER BILDER

Title (fr)
PROCÉDÉ ET APPAREIL D'IDENTIFICATION D'IMAGES SIMILAIRES

Publication
EP 2668619 A4 20161214 (EN)

Application
EP 12739016 A 20120118

Priority
• CN 201110031701 A 20110128
• US 2012021722 W 20120118

Abstract (en)
[origin: WO2012102926A1] A user may submit an image and request from a server one or more images that are similar to the submitted image. The server may generate an image signature based on the content of the submitted image. The server may conduct a Hash operation to the image signature to generate one or more Hash values. These Hash values may be used to identify one or more candidate images similar to the image in a Hash table. These candidate images may be sorted and outputted to the user based on similarity. The similarity between each of the candidate images and the image may be determined using at least one of Hamming distance or Euclidean distance.

IPC 8 full level
G06F 17/30 (2006.01); **G06V 10/44** (2022.01); **G06V 10/50** (2022.01)

CPC (source: EP US)
G06F 16/5854 (2018.12 - EP US); **G06F 18/22** (2023.01 - EP US); **G06V 10/44** (2022.01 - EP US); **G06V 10/50** (2022.01 - EP US); **G06V 10/751** (2022.01 - EP US); **G06V 10/758** (2022.01 - EP US); **G06V 10/761** (2022.01 - EP US)

Citation (search report)
• [XYI] "Proceedings of the 25th International Conference on Very Large Data Bases (VLDB '99)", 7 September 1999, MORGAN KAUFMANN PUBLISHERS INC., San Francisco, CA, USA, ISBN: 1-55860-615-7, article GIONIS A ET AL: "Similarity Search in High Dimensions via Hashing", pages: 518 - 529, XP002256564
• [Y] CHEE SUN WON ET AL: "Efficient Use of MPEG-7 Edge Histogram Descriptor", ETRI JOURNAL, ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR, vol. 24, no. 1, February 2002 (2002-02-01), pages 23 - 30, XP002420436, ISSN: 1225-6463, DOI: 10.4218/ETRIJ.02.0102.0103
• [XI] ALEXANDR ANDONI ET AL: "Near-optimal hashing algorithms for approximate nearest neighbor in high dimensions", COMMUNICATIONS OF THE ACM, ASSOCIATION FOR COMPUTING MACHINERY, INC, UNITED STATES, vol. 51, no. 1, January 2008 (2008-01-01), pages 117 - 122, XP058090560, ISSN: 0001-0782, DOI: 10.1145/1327452.1327494
• See references of WO 2012102926A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012102926 A1 20120802; CN 102622366 A 20120801; CN 102622366 B 20140730; EP 2668619 A1 20131204; EP 2668619 A4 20161214; HK 1168919 A1 20130111; JP 2014505313 A 20140227; JP 5926291 B2 20160525; TW 201232302 A 20120801; TW I528196 B 20160401; US 2013301935 A1 20131114; US 9053386 B2 20150609

DOCDB simple family (application)
US 2012021722 W 20120118; CN 201110031701 A 20110128; EP 12739016 A 20120118; HK 12108975 A 20120913; JP 2013552013 A 20120118; TW 100116696 A 20110512; US 201213509059 A 20120118